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Code Matrix Development Objective

1. Introduction

This development objective outlines the requirements for the automatic Code matrix reader design and and fabrication of an instrument to automatically read out binary work coded information on acrial Film.

2. Concept.

It is the objective of this program which will automatically read out binary coded information contained on a specific photographic collection systems.

3. General Description

There exists a requirement for a code matrix reader to provide rapid read out of auxillary data recorded in digital coded form as a compact matrix and dots exposed in the margin of each film print frame.

4. Requirements.

The code matrix reader shall provide the following:

- a. Capability of reading out auxiliary data in the form of the matrixing dots in the margin of each film frame.
- b. Capibility of accepting 1,000 fmmmk ft. rolls of 35 mm through 9½ inch lengths input films.
- c. Capability of positive which remarks accurate read out regardless of placement of auxillary digital data as long as it is parallel to or alligned with the photo frame.
- d. The data block formats are mx undeterminable beyond that

 Mil-Std

 specified in Mil-standard 782A. However, this reader shall
 have comformity to any formatx by replaceable reading heads
 designed for specific formatsx as they come into being.
- e The shape and the spacing of the dote to be read by the this reader shall conform knxkmx to that specified in

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- i Mil standard 782A. Additionally designs shall be such specific or varied formats can be read by replacement heads.
- f. Capability of reading auxillary digital data blocks shall be limited only by the speed of the read-out equipment.

 (magnetic tape, or high speed card punch)
- g. The film data read-out shall be converted to electrical signals which shall be used to record on a digital computer input form such x as punch xxxxxxxx cards or magnetic tape.
- H. Two keet read out options shall be considered preparing the pricing:
 - (1) magnetic tape IBM format,
 - (2) high speed card punch.

The tape recorder shall be an intergal part of the system.

The card punks punch will be GFE of the type recommended by the discontractor.

Pricing information should also be prepaired for a warned aptenual unit